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L3 ANSWER 24 OF 28 CA COPYRIGHT 2005 ACS on STN
AN 69:79936 CA
ED Entered STN: 12 May 1984
TI White portland cement
IN Heilmann, Thorbjorn
PA F. L. Smidth og Co. A/S
SO Brit., 4 pp.
CODEN: BRXXAA
DT Patent
LA English
IC C04B
CC 58 (Cement and Concrete Products)
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|------------|------|----------|-----------------|----------|
| PI | GB 1122210 | | 19680731 | GB | 19660819 |

CLASS

| PATENT NO. | CLASS | PATENT FAMILY CLASSIFICATION CODES |
|------------|-------|------------------------------------|
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| GB 1122210 | IC | C04B |
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AB A gray or brown coloration of ingredient impurities is masked by adding an effective quantity for the desired color (such as 20-100 ppm. as Cr₂O₃) of a Cr compound to the cement ingredients before or during their residence in the kiln, treating the **clinker** with the Cr compound under reducing conditions directly after or during firing, and then cooling the **clinker** under nonoxidizing conditions. A substantial portion of the Cr present should be present in the reduced product as Cr₂O₃.

ST chromium compds portland cements; portland cements Cr compds; white portland cements

IT **Cement**

(coloring of, chromium oxide (Cr₂O₃) in blue-green)

IT **Pigments**

(in coloring of **cement** to blue-green)

IT **Coloring**

(of **cement** (blue-green) by chromium oxide (Cr₂O₃))